

FIG.1

10/523590

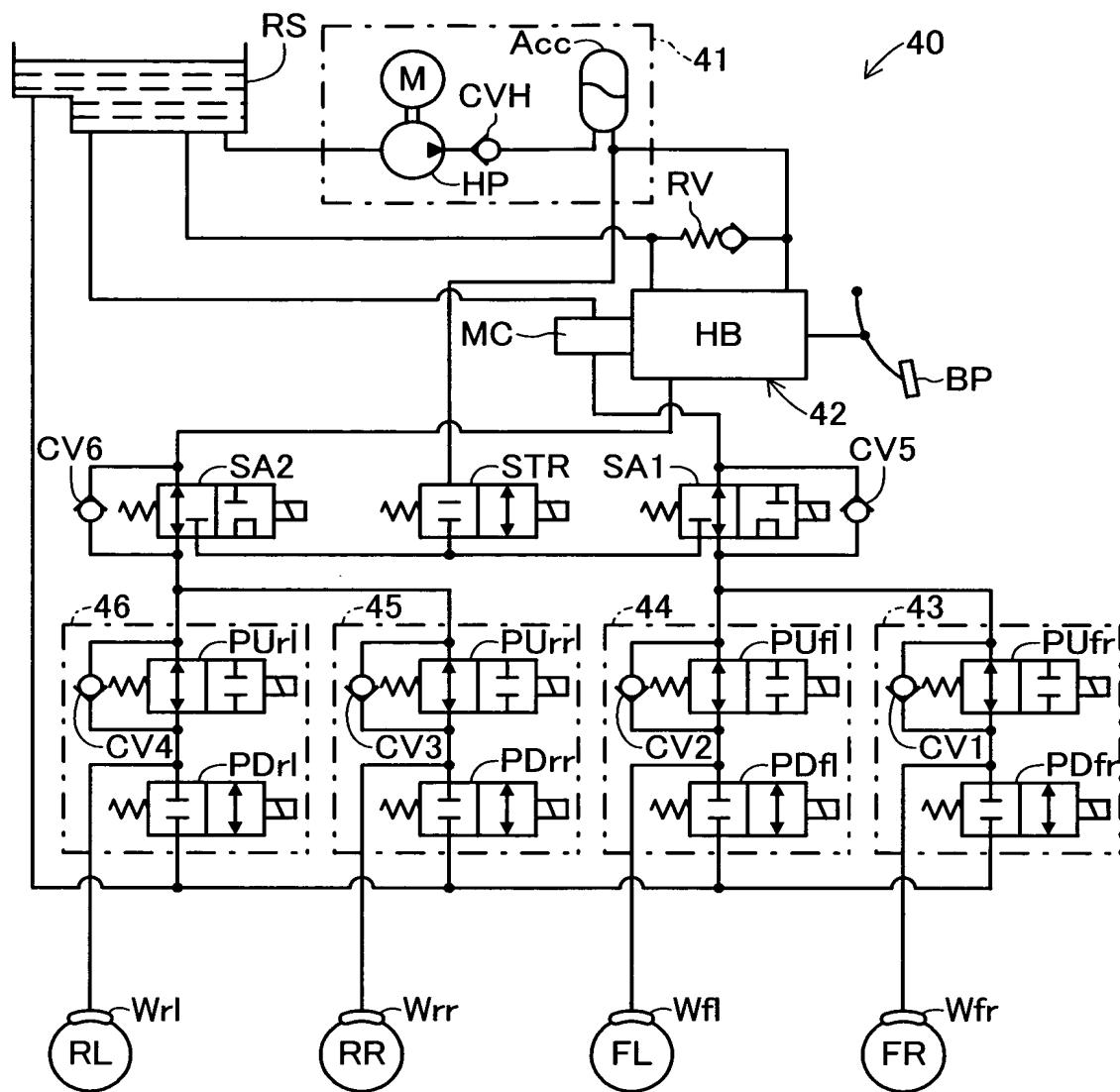


FIG.2

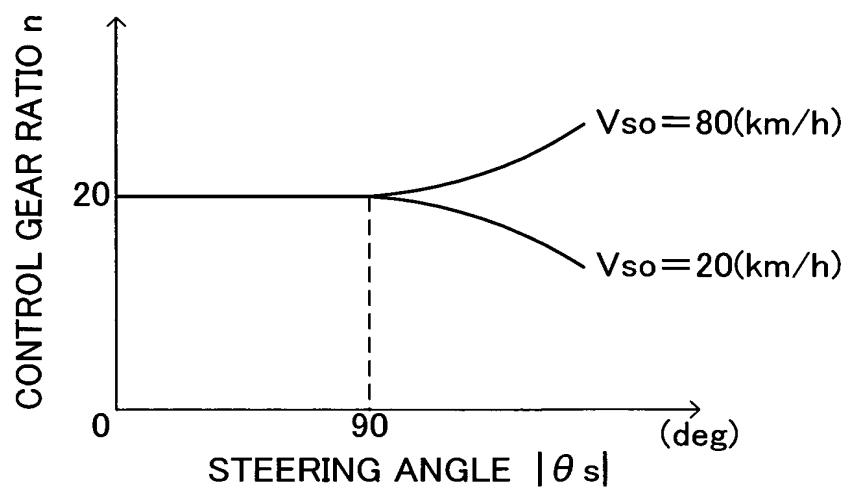


FIG.3

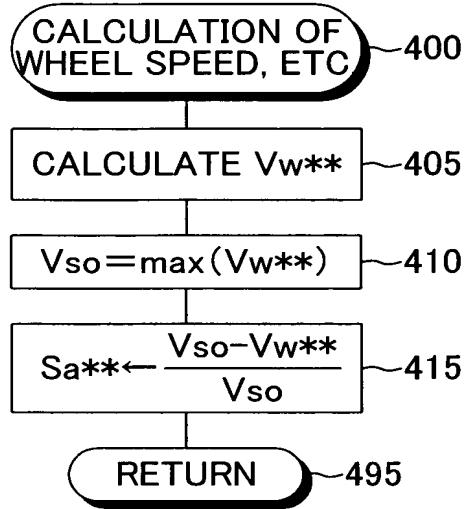


FIG.4

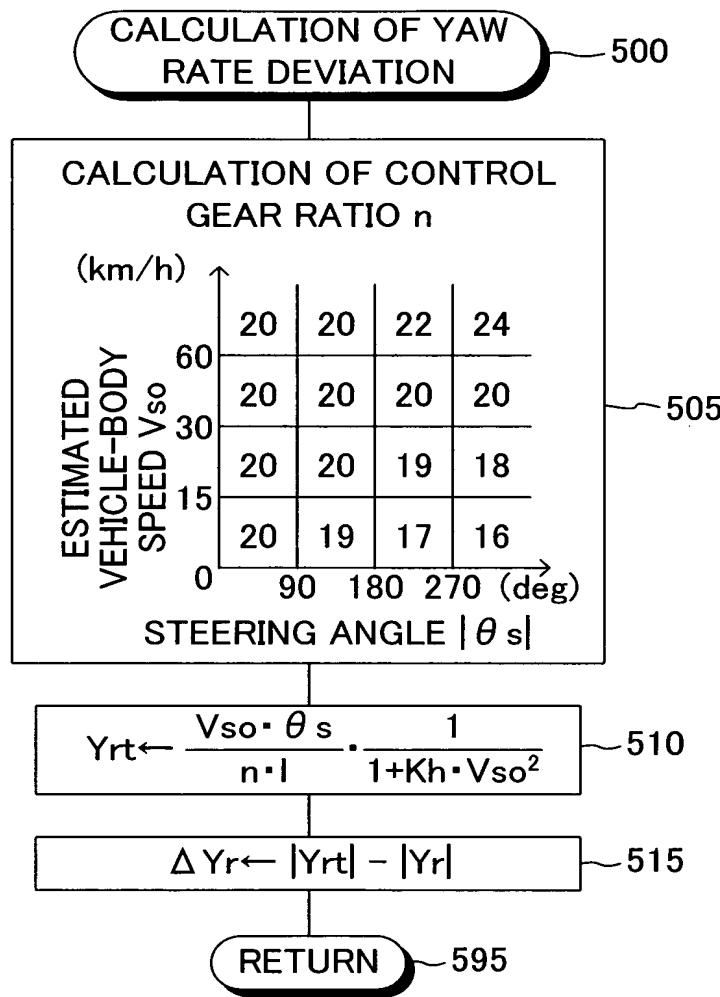


FIG.5

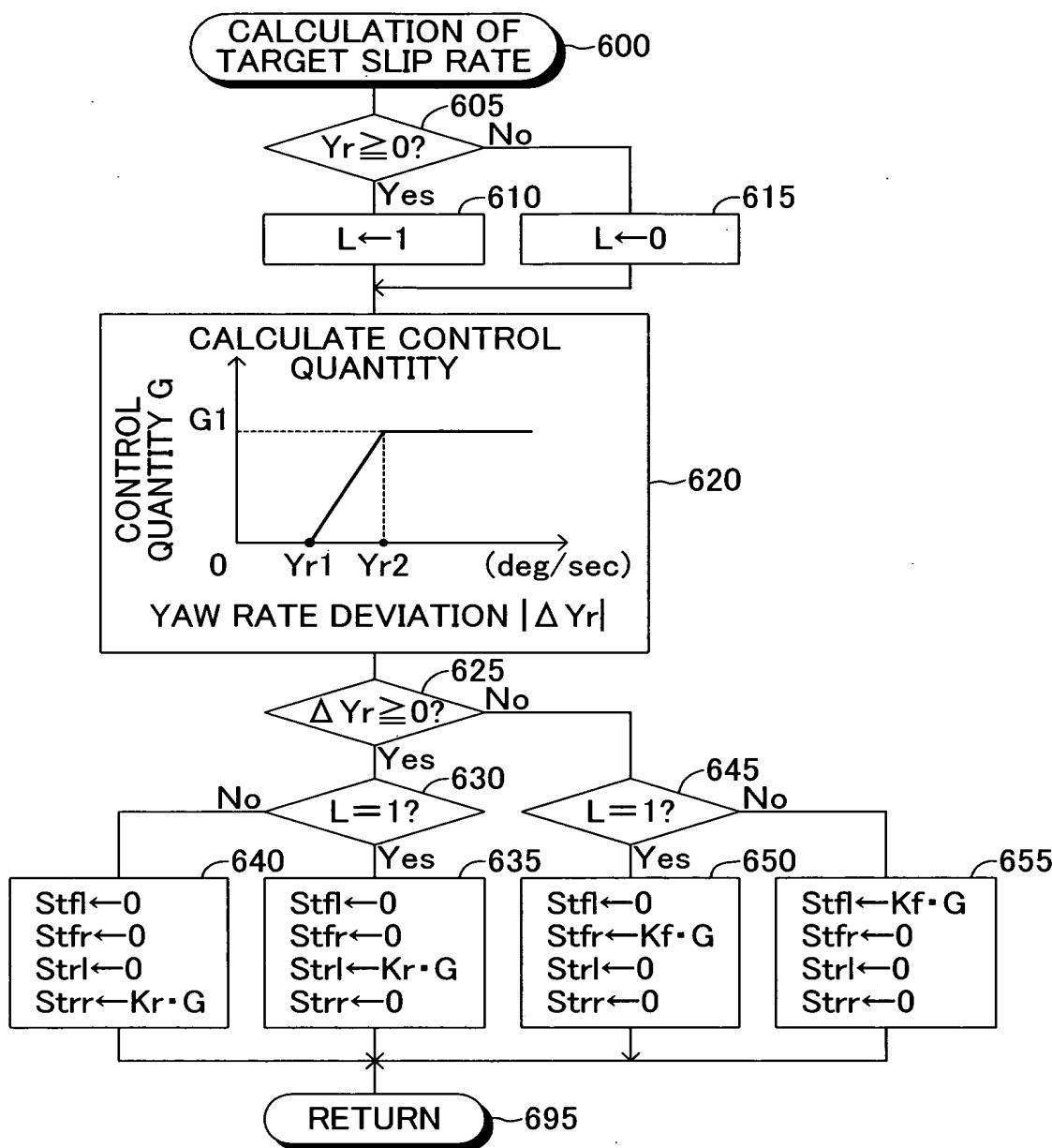


FIG.6

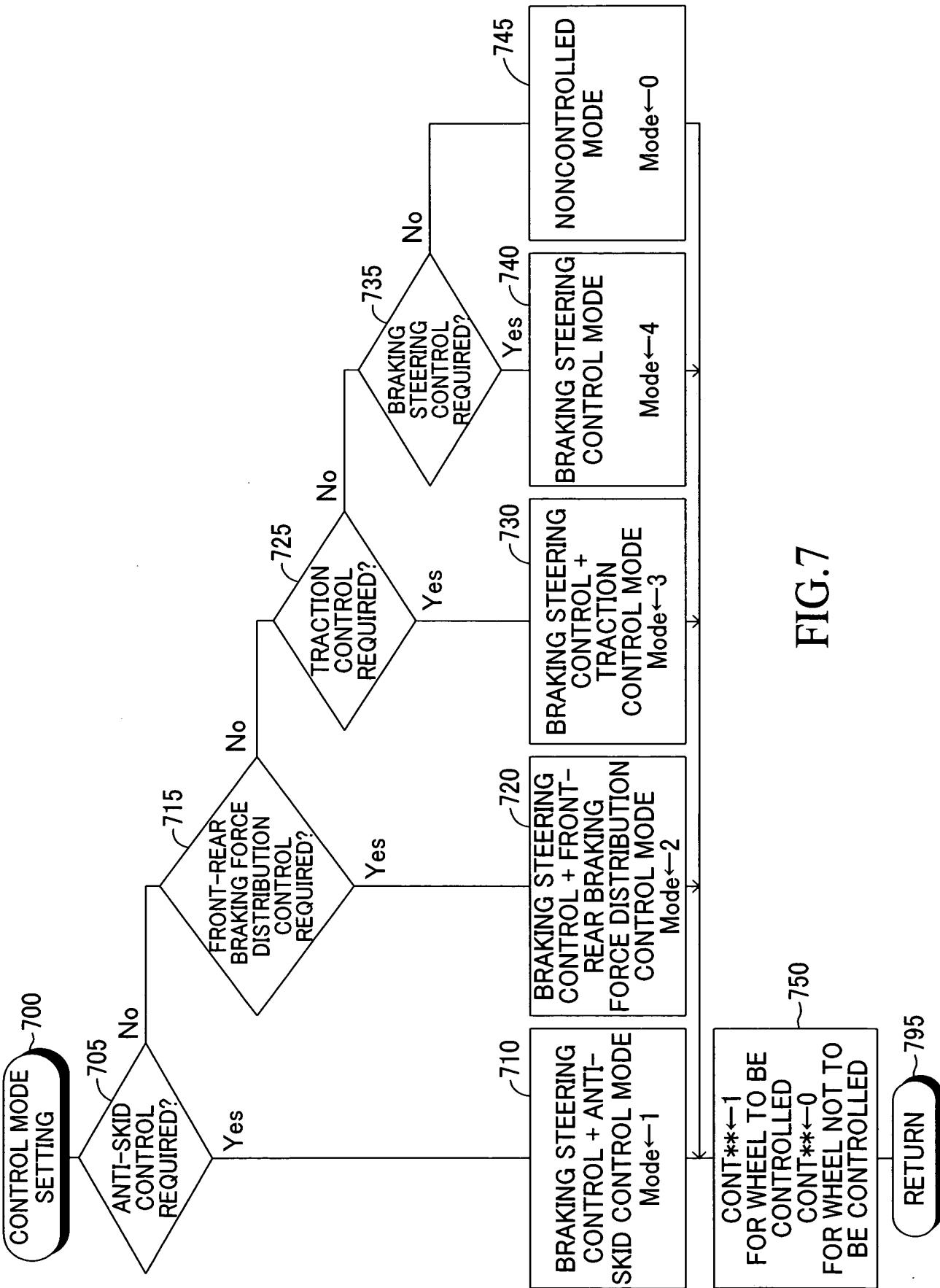


FIG.7

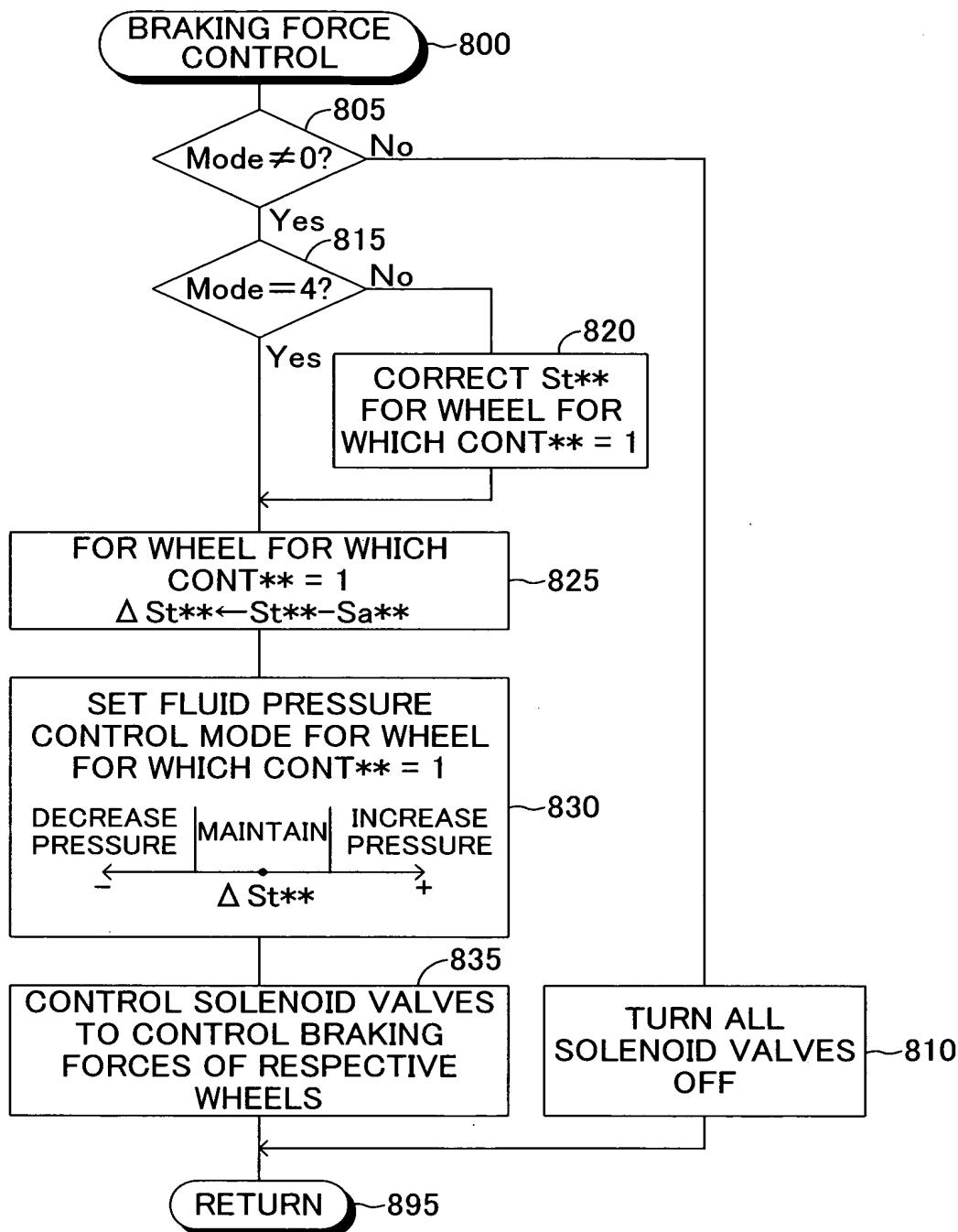


FIG.8

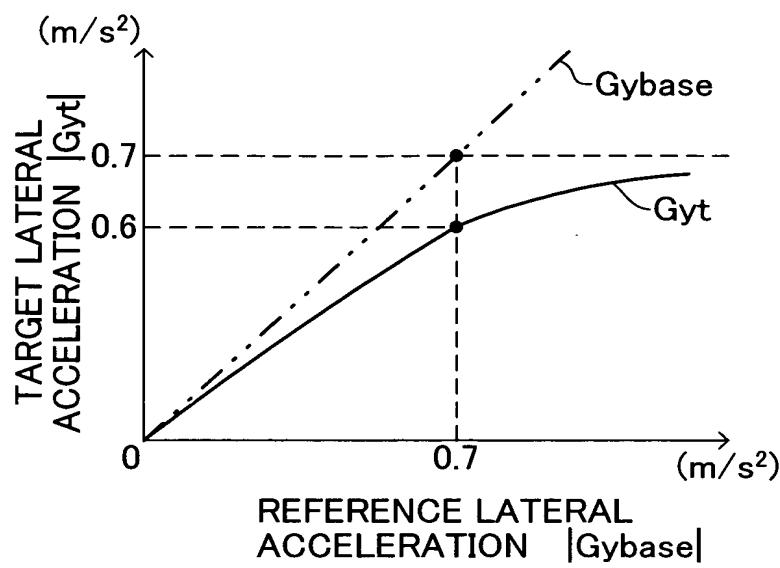


FIG.9

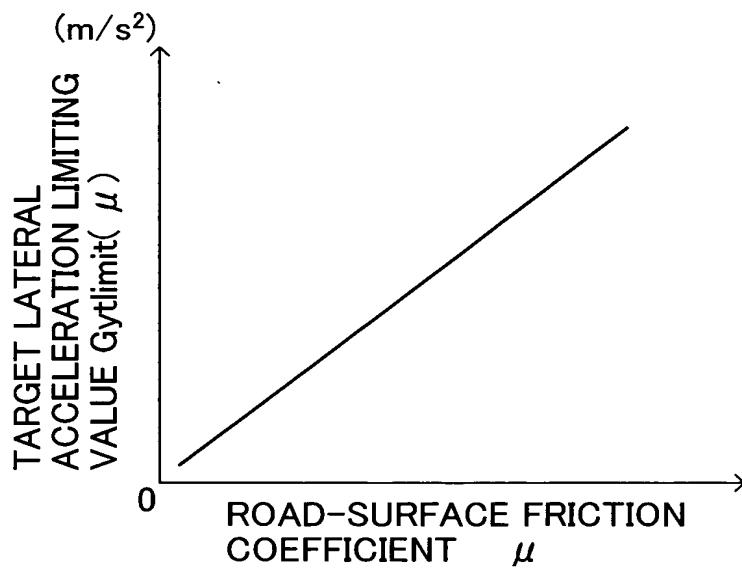


FIG.10

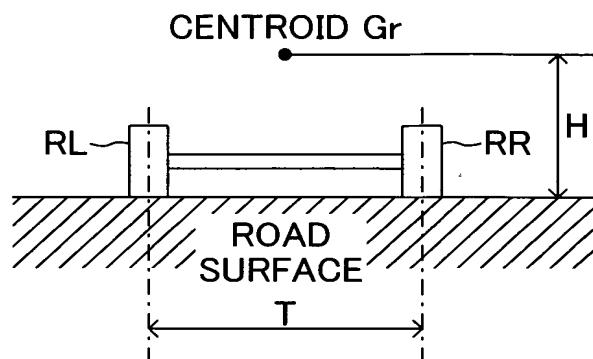


FIG.11

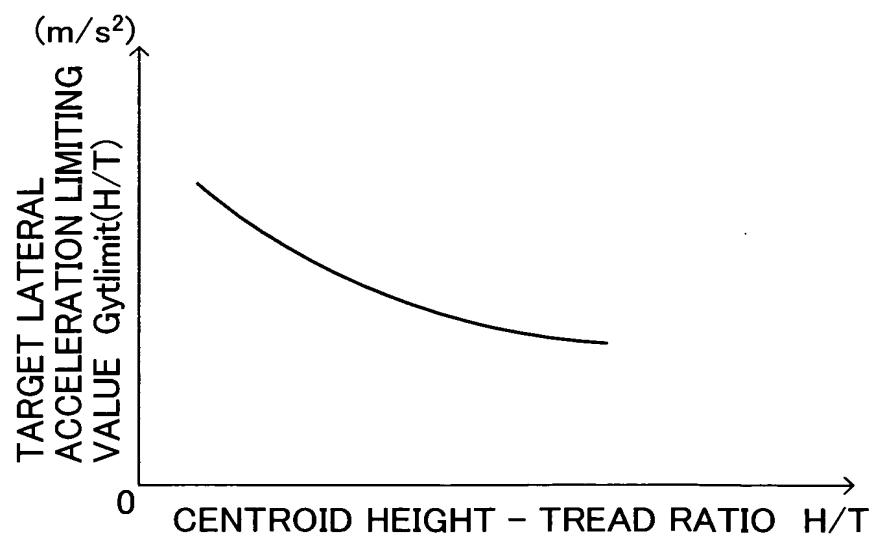


FIG.12

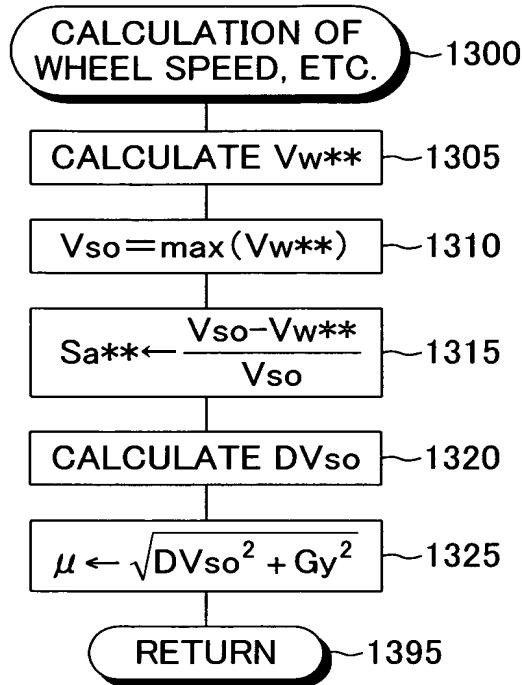
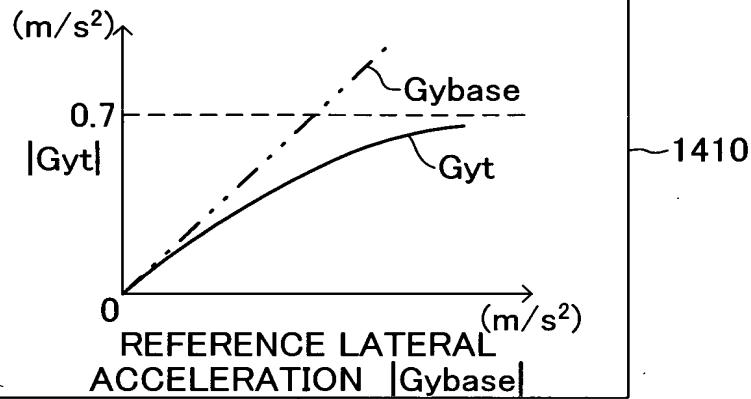


FIG.13

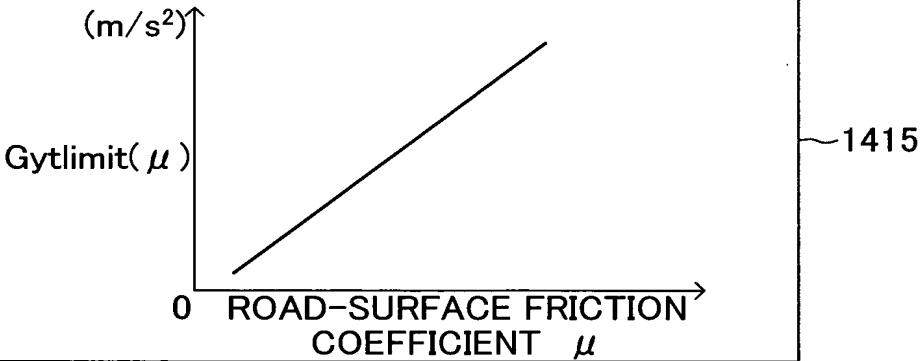
CALCULATION OF LATERAL ACCELERATION DEVIATION 1400

$$Gybase \leftarrow \frac{V_{so}^2 \cdot \theta_s}{n \cdot I} \cdot \frac{1}{1 + Kh \cdot V_{so}^2} \quad 1405$$

CALCULATE TARGET LATERAL ACCELERATION  $Gyt$



CALCULATE TARGET LATERAL ACCELERATION LIMITING VALUE  $Gytlimit(\mu)$



|Gyt|  $\leq$  Gytlimit( $\mu$ )? 1420

Yes

$$Gyt \leftarrow \text{sgn}(Gyt) \cdot Gytlimit(\mu) \quad 1425$$

$$\Delta Gy \leftarrow |Gyt| - |Gy| \quad 1430$$

RETURN 1495

FIG.14

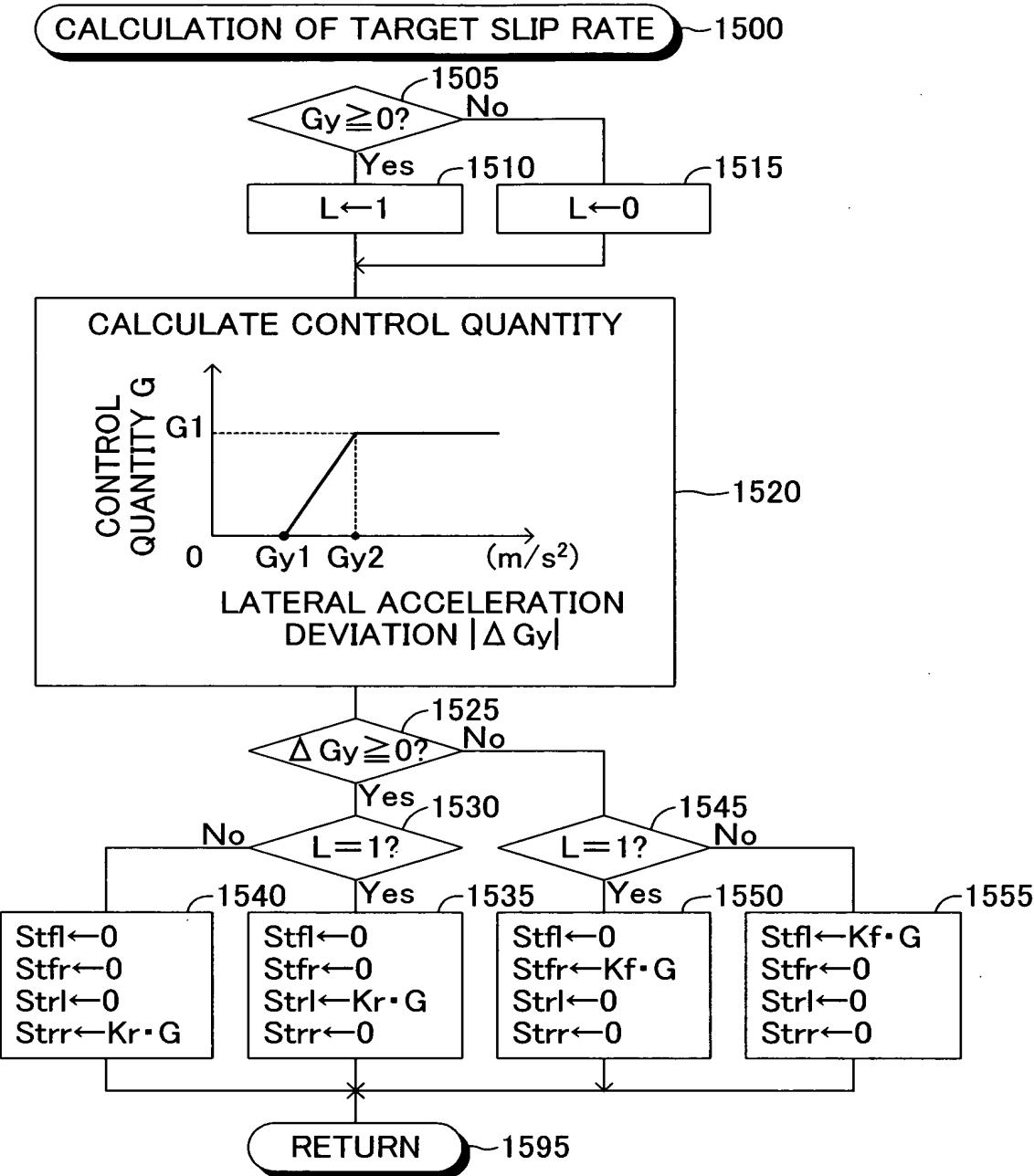


FIG.15